

01-08-01 A

# UTILITY PATENT APPLICATION TRANSMITTAL

## (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.

16079-1

Total Pages in this Submission

JC498  
S. PTO  
TO/50/TO  
01/05/01**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application  
Washington, D.C. 20231JC517 U.S. PTO  
01/05/01

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**LIQUID CRYSTALLINE THERMOSETS FROM ESTER, ESTER-IMIDE, AND ESTER-AMIDE OLIGOMERS**

and invented by:

**THEODOOROUS J. DINGEMANS, ERIK S. WEISER, and TERRY L. ST. CLAIR**

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

 Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

 Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

 Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1.  Filing fee as calculated and transmitted as described below
2.  Specification having 35 pages and including the following:
  - a.  Descriptive Title of the Invention
  - b.  Cross References to Related Applications (*if applicable*)
  - c.  Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d.  Reference to Microfiche Appendix (*if applicable*)
  - e.  Background of the Invention
  - f.  Brief Summary of the Invention
  - g.  Brief Description of the Drawings (*if drawings filed*)
  - h.  Detailed Description
  - i.  Claim(s) as Classified Below
  - j.  Abstract of the Disclosure

OPIPE/JCWS

JAN 11 2001

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PATENT TRADEMARK OFFICE

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

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**Application Elements (Continued)**

3.  Drawing(s) (*when necessary as prescribed by 35 USC 113*)

- a.  Formal Number of Sheets \_\_\_\_\_  
b.  Informal Number of Sheets 7

4.  Oath or Declaration

- a.  Newly executed (*original or copy*)  Unexecuted  
b.  Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)  
c.  With Power of Attorney  Without Power of Attorney  
d.  **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5.  Incorporation By Reference (*usable if Box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6.  Computer Program in Microfiche (*Appendix*)

7.  Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)

- a.  Paper Copy  
b.  Computer Readable Copy (*identical to computer copy*)  
c.  Statement Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

8.  Assignment Papers (*cover sheet & document(s)*)

9.  37 CFR 3.73(B) Statement (*when there is an assignee*)

10.  English Translation Document (*if applicable*)

11.  Information Disclosure Statement/PTO-1449  Copies of IDS Citations

12.  Preliminary Amendment

13.  Acknowledgment postcard

14.  Certificate of Mailing

First Class  Express Mail (*Specify Label No.*): EL021609335

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**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

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**Accompanying Application Parts (Continued)**

15.  Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16.  Additional Enclosures *(please identify below):*

**Fee Calculation and Transmittal**

CLAIMS AS FILED					
For	#Filed	#Allowed	#Extra	Rate	Fee
<b>Total Claims</b>	10	- 20 =	0	x \$18.00	\$0.00
<b>Indep. Claims</b>	2	- 3 =	0	x \$78.00	\$0.00
<b>Multiple Dependent Claims (check if applicable)</b>					\$0.00
				<b>BASIC FEE</b>	\$710.00
<b>OTHER FEE (specify purpose)</b>					\$0.00
				<b>TOTAL FILING FEE</b>	\$710.00

- A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- The Commissioner is hereby authorized to charge and credit Deposit Account No. 14-0116 as described below. A duplicate copy of this sheet is enclosed.
- Charge the amount of \$710.00 as filing fee.
- Credit any overpayment.
- Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

*HILLARY W. HAWKINS*  
Signature

HILLARY W. HAWKINS  
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Dated: 1/05/01

CC:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): THEODOROUS J. DINGEMANS ET AL

Docket No.

16079-1

Serial No.

Filing Date

Examiner

Group Art Unit

Invention: LIQUID CRYSTALLINE THERMOSETS FROM ESTER, ESTER-IMIDE, AND ESTER-AMIDE OLIGOMERS

JC511 U.S. P. DE  
09/757398  
01/05/01

I hereby certify that the following correspondence:

**NEW UTILITY PATENT APPLICATION**

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231

V/Sb/  
(Date)**HILLARY W. HAWKINS**

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

**EL02609335**

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Note: Each paper must have its own certificate of mailing.

**Attachments:**

return postal card  
org & 1 cy transmittal form - 3 pgs  
specification, claims, abstract - 35 pgs  
NASA Form 1538 Declaration/Power - 2 pgs  
fee \$710

**NO drawings**

7 sheets INFORMAL drawings

**23351**

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